AMENDMENTS TO THE CLAIMS:

Please amend Claims 1-3, 9-11, 16, 21, and 29 as follows. In accordance with the Revised Amendment Format, the status of all claims are presented below.

1. (Currently Amended) A method for manufacturing an electron-emitting device, comprising:

a step for forming a solid-state insulating polymer film including a carbon atomic bond between a pair of electrodes formed on a substrate;

a step for ~~giving conductivity to said polymer film by~~ heating said polymer film to change said polymer film into an electro-conductive film; and

a step for providing a potential difference between said pair of electrodes to energize electrically the electro-conductive film.

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2. (Currently Amended) A method according to claim 1, wherein the step for ~~giving conductivity to said polymer film by~~ heating includes a step for illuminating an electron beam onto at least a part of said polymer film.

3. (Currently Amended) A method according to claim 1, wherein the step for ~~giving conductivity to said polymer film by~~ heating includes a step for illuminating light onto at least a part of said polymer film.

4. (Original) A method according to claim 3, wherein the light is light emitted from a xenon lamp as a light source.

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5. (Original) A method according to claim 3, wherein the light is light emitted from a halogen lamp as a light source.

6. (Original) A method according to claim 3, wherein the light is a laser beam.

7. (Original) A method according to claim 1, wherein said polymer film is an aromatic polymer film.

8. (Original) A method according to claim 1, wherein the step for forming a polymer film utilizes an ink jet system.

9. (Currently Amended) A method for manufacturing an electron-emitting device, comprising:

a step for forming a solid state polymer film including a carbon atomic bond between a pair of electrodes formed on a substrate;

a step for ~~reducing electrical resistance of said polymer film by~~ heating said polymer film to change the polymer film into an electro-conductive film having an electrical resistance lower than that of the polymer film; and

a step for providing a potential difference between said pair of electrodes to energize electrically said electro-conductive film.

10. (Currently Amended) A method according to claim 9, wherein the step for ~~reducing electrical resistance of said polymer film by~~ heating said polymer film includes a step for illuminating an electron beam onto at least a part of said polymer film.

11. (Currently Amended) A method according to claim 9, wherein the step for ~~reducing electrical resistance of said polymer film by~~ heating said polymer film includes a step for illuminating light onto at least a part of said polymer film.

12. (Original) A method according to claim 11, wherein the light is light emitted from a xenon lamp as a light source.

13. (Original) A method according to claim 11, wherein the light is light emitted from a halogen lamp as a light source.

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14. (Original) A method according to claim 11, wherein the light is a laser beam.

15. (Original) A method according to claim 9, wherein the step for forming a polymer film utilizes an ink jet system.

16. (Currently Amended) A method for manufacturing an electron-emitting device, comprising:

a step for forming a polymer film <u>including a carbon atomic bond</u> between a pair of electrodes formed on a substrate;

a step for illuminating an electron beam onto at least a part of said polymer film; and

a step for providing <u>a</u> potential difference between said pair of electrodes.

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17. (Original) A method according to claim 16, wherein the step for illuminating the electron beam onto said polymer film includes a step for giving conductivity to at least a part of said polymer film.

18. (Original) A method according to claim 16, wherein the step for illuminating the electron beam onto said polymer film includes a step for reducing electrical resistance of said polymer film.

19. (Original) A method according to claim 16, wherein said polymer film is an aromatic polymer film.

20. (Original) A method according to claim 16, wherein the step for forming a polymer film utilizes an ink jet system.

21. (Currently Amended) A method for manufacturing an electron-emitting device, comprising:

a step for forming a polymer film <u>including a carbon atomic bond</u> between a pair of electrodes formed on a substrate;

a step for illuminating light onto at least a part of said polymer film; and

a step for providing <u>a</u> potential difference between said pair of electrodes.

22. (Original) A method according to claim 21, wherein the step for illuminating light onto said polymer film includes a step for giving conductivity to at least a part of said polymer film.

23. (Original) A method according to claim 21, wherein the step for illuminating light onto said polymer film includes a step for reducing electrical resistance of said polymer film.

24. (Original) A method according to claim 23, wherein the light is light emitted from a xenon lamp as a light source.

25. (Original) A method according to claim 23, wherein the light is light emitted from a halogen lamp as a light source.

26. (Original) A method according to claim 23, wherein the light is a laser beam.

27. (Original) A method according to claim 21, wherein said polymer film is an aromatic polymer film.

28. (Original) A method according to claim 21, wherein the step for forming a polymer film utilizes an ink jet system.

29. (Currently Amended) A method for manufacturing an electron source having a plurality of electron-emitting devices, wherein:

each ~~said~~ electron-emitting device is manufactured in accordance with ~~any one of methods~~ the method according to any one of claims 1 to 28.

30. (Original) A method for manufacturing an image-forming apparatus having an electron source including a plurality of electron-emitting devices, and an image-forming member for forming an image by illumination of electron emitted from said electron source, wherein:

said electron source is manufactured by a method according to claim 29.